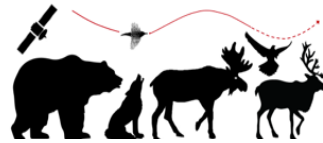
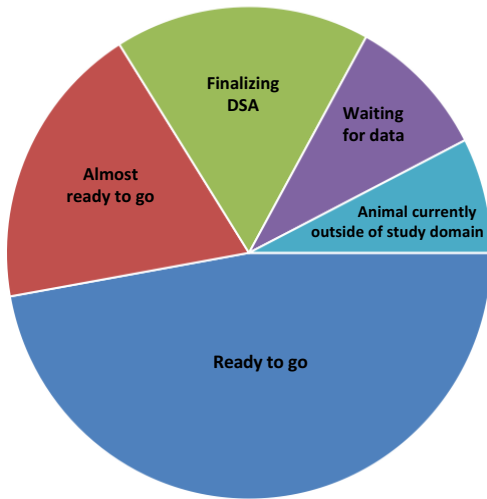


Animals on the Move: Status of data acquisition & archiving

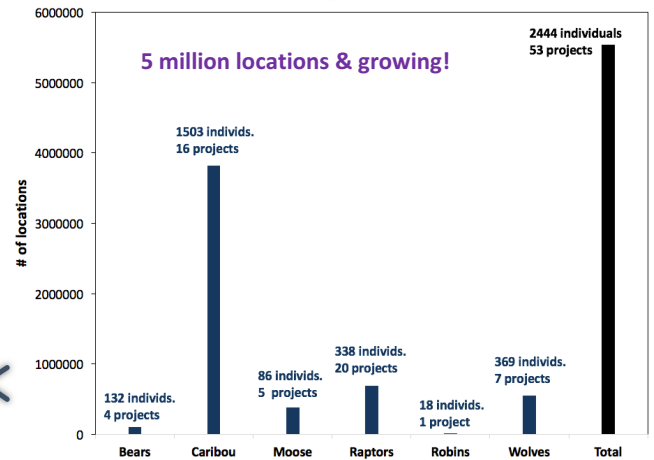


Sarah Davidson*, Gil Bohrer*, Scott LaPoint**, Eliezer Gurarie[^], Jan Eitel[#], Mark Hebblewhite⁺, Jyoti Jennewein[#], Peter Mahoney, Arjan Meddens[#], Ruthie Oliver, Eric Palm⁺, Laura Prugh⁺, Lee Vierling[#] & Natalie Boelman**

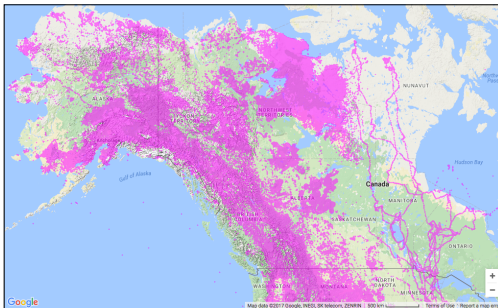
* The Ohio State University, ** Lamont-Doherty Earth Observatory, Columbia University, [^]University of Maryland, [#]University of Idaho, ⁺University of Montana, ⁺University of Washington



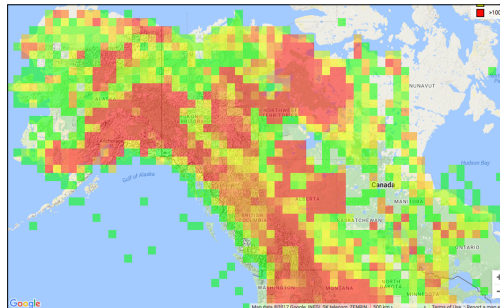
all data managed using Movebank
data span multiple decades
~500 more animals coming soon!



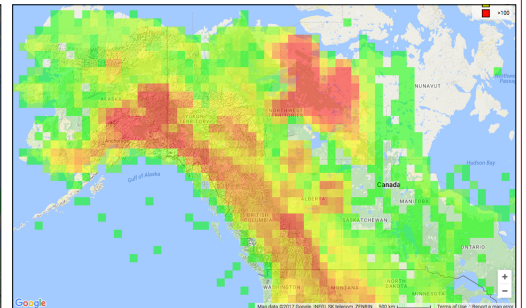
Individual animal locations



Location density

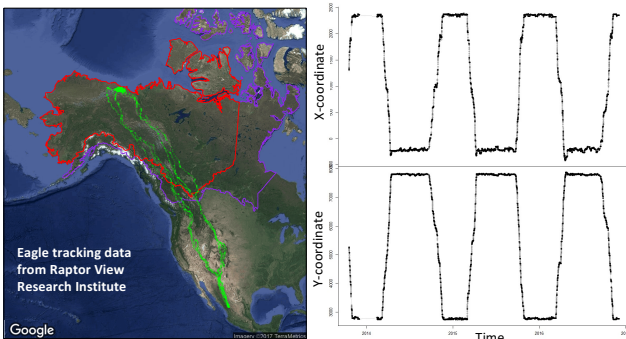


Animal density



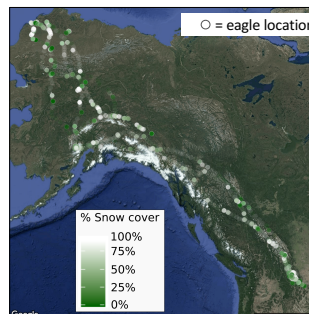
What do the data look like?

Example: a single Golden Eagle tracked over the last 4 years



What's next?

Pairing animal data with environmental & ecological conditions



Understanding vulnerability & resilience of movement behavior to environmental & ecological change



Eagle tracking data from Raptor View Research Institute. Snow cover data from MODIS.